

**Federal State Budgetary Educational Institution of Higher Education
«North-Ossetia State Medical Academy»
of the Ministry of Healthcare of the Russian Federation**

APPROVED

Rector of FSBEI HE NOSMA MON Russia

April 17, 2024

THE WORKING PROGRAM OF THE DISCIPLINE

"INFECTIOUS DISEASES, PHTHISIATRIA"

the main professional educational program of higher education - specialty program in the specialty
31.05.03 Dentistry (educational program, partially implemented in english), April 17, 2024

Full-time form of education

The term for the development of OPOP VO is 5 years

Departments: Infectious diseases of Phthisiopulmonology.

Vladikavkaz, 2024

When developing the work program of the discipline, the basis is based on:

1. Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation "12" August 2020 №. 984
2. Syllabus OPOP VO in the specialty 31.05.03 Dentistry
СТОМ-21-01-21 ИИ
СТОМ-21-02-22 ИИ
СТОМ-21-03-23 ИИ
СТОМ-21-04-24 ИИ
approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation april 17, 2024 , Protocol № 6.

The work program of the discipline was approved at a meeting of the Department of Phthisiopulmology on april «01», 2024, protocol No. 8

The educational training program of the discipline was approved at a meeting of the central coordinating training and methodological council from "02" april 2024, Protocol №. 4

The educational training program of the discipline was approved by the Scientific Council of the State Medical University of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation from “17” april 2024, Protocol № 6.

Developers;

Head Department of Phthisiopulmonology
FGBOU VO SOGMA of the Ministry of Health of Russia,
Associate Professor, Ph.D.

O.Z.Basieva

Assistant of the Department, Phthisiopulmonology
FGBOU VO SOGMA of the Ministry of Health of Russia,
Associate Professor, Ph.D

Z.K.Dzhagaeva

Reviewers :

D octors chairs s prosthetic dentistry, propaedeutics ki and postgraduate education FGBOU IN "SOGU them. K.L. Khetagurov " Ph.D. T.V. Aziev.

P ROF. head Department of Internal Diseases No. 1 FSBEI HE SOGMA Ministry of Health of Russia. d.m.s. I.N. Totrov.

Content of the work program

- 1.the name of the discipline;
- 2.a list of the planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
- 3.an indication of the place of the discipline in the structure of the educational program;
4. the amount of discipline in credit units, indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
- 5.the content of the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours and types of training allocated for them;
- 6.a list of educational and methodological support for independent work of students in the discipline;
7. assessment materials for intermediate certification of students in the discipline;
- 8.a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunication network "Internet" (hereinafter referred to as the "Internet" network), necessary for mastering the discipline;
10. guidelines for students on the development of the discipline;
- 11.a list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
- 12.description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. conducting educational activities using e-learning and distance learning technologies.

2. The list of planned learning outcomes in the discipline and the results of mastering the educational program

P / p No.	Competency number / index	Content of competence (or part of it)	Topic of the lesson (section)	Competence achievement indicators	Development results		
					know	be able to	own
1	2	3	4	5	6	7	8
1	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<p>General pathology of infectious diseases</p> <ul style="list-style-type: none"> - Properties of pathogens of infectious diseases. - Leading links in the pathogenesis of an infectious disease, general and local immunity, autoimmune processes. Forms of the infectious process. - Principles of specific laboratory diagnosis of infectious diseases. - The main methods and means of treating infectious patients. -Tactics of a dentist if you suspect a patient has an infectious disease <p>Influenza, parainfluenza, adenovirus infection. Herpetic infection. Infectious mononucleosis. Mumps infection HIV infection Viral hepatitis B, C, D Diphtheria. Streptococcal infection:</p>	<p>ID-1 OPK-1 Be able to comply with the moral and legal foundations in professional activities.</p> <p>ID-2 OPK-1 Be able to present professional information in the process of intercultural interaction, observing the principles of ethics and deontology</p>	Fundamentals of Medical Ethics and Deontology	Apply ethical and deontological principles in professional practice	Ethical and deontological aspects of medical practice.

			acute tonsillitis (tonsillitis), erysipelas of the face, oral cavity.				
2.	OPK-5	Able to examine a patient in order to establish a diagnosis while solving professional problems	Influenza, parainfluenza, adenovirus infection. Herpetic infection. Infectious mononucleosis. Mumps infection HIV infection Viral hepatitis B, C, D Diphtheria. Streptococcal infection: acute tonsillitis (tonsillitis), erysipelas of the face, oral cavity.	ID-1 OPK-5 Own the algorithm for the clinical examination of the patient. ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics. ID-3 OPK-5 Own the algorithm of clinical, laboratory and functional diagnostics in solving professional problems. ID-4 OPK-5 To be able to evaluate the results of clinical and laboratory diagnostics in solving professional problems.	Clinical picture, course features and possible complications of the most common infectious diseases; methods of clinical, laboratory and instrumental examination of patients;	Determine the main pathological conditions, symptoms and syndromes of the disease in patients, substantiate the diagnosis, assess the severity of the patient's condition; make a diagnosis, reflecting the etiology, course, nature and degree of dysfunction ; Outline the amount of additional studies to clarify the diagnosis; interpret the data of laboratory and special examination methods.	Diagnostic methods.
3.	OPK-6	Able to prescribe,	Influenza, parainfluenza, adenovirus infection.	ID-1 OPK-6 To be able to	The main pathological	Collect complaints, medical history, purposefully study	Methods of diagnosis

		monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	Herpetic infection. Infectious mononucleosis. Mumps infection HIV infection Viral hepatitis B, C, D Diphtheria. Streptococcal infection: acute tonsillitis (tonsillitis), erysipelas of the face, oral cavity.	conduct effective, safe therapy based on the clinical guidelines of the Ministry of Health of Russia	symptoms and syndromes of infectious diseases; clinical and pharmacological characteristics of the main groups of drugs; route of administration, regimen and dose of drugs.	the epidemiological history, examine the patient, identify the main syndromes of the disease, substantiate the diagnosis, assess the severity of the patient's condition, interpret the data of laboratory and special examination methods, prescribe treatment and evaluate its results.	and treatment; determine the route of administration, regimen and dose of medications ..
4.	OPK-1	Able to implement moral and legal norms, ethical and deontological principles in professional activities	1.Theoretical foundations of phthisiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the maxillofacial area. Clinic diagnostics. 4. The main organizations of anti-tuberculosis care. 5. General principles of tuberculosis treatment. 6. Treatment of patients with tuberculosis of the oral cavity and maxillofacial region.	ID-1 OPK-1 Complies with moral and legal norms in professional activities. ID-2 OPK-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology.	1. Ethical and deontological features of medical practice in phthisiology, necessary for working with patients with tuberculosis and their relatives;	1.Primenyat ethical - skie and deontological principles in professional activities	1.Etiche - Skim and deontological aspects - E BPA - chebnoy figure - Nosta.
5.	OPK-5	Able to examine a patient in order to establish a diagnosis while solving professional	1.Theoretical foundations of phthisiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the maxillofacial area. Clinic diagnostics. 4. The main	ID-1 OPK-5 Owns the algorithm for the clinical examination of the patient. ID-2 OPK-5 Draws up a plan for laboratory and instrumental	Features anamnesis, physical on - following the pain - GOVERNMENTAL oral tuberculosis clinical manifestations of wasps - novnyh	Interprets - Vat data cus - nical, X-ray - technologically, laboratornyh ICs - investigations pain - GOVERNMENTAL TB and to diagnose various Loka - tion of tubercle - useful to the process	Skills to conduct cus - nical obsl - dovanie determining the need for skills methods

		<p>problems.</p>	<p>organizations of anti-tuberculosis care. 5. General principles of tuberculosis treatment. 6. Treatment of patients with tuberculosis of the oral cavity and maxillofacial region.</p>	<p>diagnostics. ID-3 OPK-5 Owns the algorithm of clinical and laboratory functional diagnostics in solving professional problems ID-4 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional problems.</p>	<p>comprising - Nij life-threatening tuberculosis patient indications for hospitalization of patients with tubercle - lezom, including with tuberculosis of the oral cavity. clinical rentgenologiče - skie and laboratories - nye manifestations at different localizations specific pathological conditions Symptoms, syndromes diseases converging - zhih with tubercle - Zoom pulmonary and extrapulmonary localization of, nozo - logical forms in accordance with the International Statistical Classification of Diseases</p>	<p>be able to assess the severity of the patient's condition tubercle - lezom, apply the necessary IU - ry to remove the patient from this state, determined - to divide the volume and the follower - Nosta remedial measures; Neot conduct - false and Rean - mation Mero - acceptance. be able to carry out differential - hydrochloric diagnosis of infectious and postvaccinal allergies. able to carry out differential - hydrochloric diagnose tuberculosis oral On the other - dis- eases - s.</p>	<p>The investigations - Research (Laboratory - Thorn of x - technologically, radial, function - rational). definition of skills - Kazan to Our Lady - tion of and op - ganizovat it.</p> <p>4. skills in - radiation biome - Therians for culture - the first and tsitologiče - Skogen Explore - Bani.</p> <p>5. identification and differentiation - ings in the Paci - ENTOV</p>
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							<p>pathologists</p> <ul style="list-style-type: none"> - Cesky comprising - Nia, symptoms, syndromes slaughtering - Levanov, similar to pulmonary tuberculosis and extra-pulmonary Loka - tion of, nozolo - cal forms in accordance with the International Statistical Classification of Diseases 7. Skills evaluation of cytology and tank - Theriologic al sputum.
	OPK-6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving	<ol style="list-style-type: none"> 1.Theoretical foundations of phthisiology. 2. Methods for the diagnosis of tuberculosis. 3. Tuberculosis of the maxillofacial area. Clinic diagnostics. 4. The main 	ID-1 OPK-6 Provides effective, safe therapy based on the clinical guidelines of the Russian Ministry of Health.	Treatment methods for patients with tuberculosis, incl. tuberculosis of the oral cavity, the mechanism of action of the main groups of drugs. Medical	Draw up a plan for examination and treatment of various forms of tuberculosis, incl. with tuberculosis of the oral cavity. Formulate indications for the chosen methods of treatment, taking into account etiotropic and pathogenetic agents,	Drawing up an algorithm for the examination and determination of tactics for the

		professional problems.	organizations of anti-tuberculosis care. 5. General principles of tuberculosis treatment. 6. Treatment of patients with tuberculosis of the oral cavity and maxillofacial region.		indications and contraindications for their use; complications caused by their use.	determine the route of administration, regimen and dose of drugs.	introduction of patients with various forms of tuberculosis , incl. with tuberculosis of the oral cavity
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3. Place of discipline in the structure of the educational program

The discipline "Infectious Diseases, Phthisiology" is a compulsory discipline of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry.

4. The scope of the discipline

№ / II	Type of work	Total credits	Total hours	Semester	
				7	8
				Number of hours	
1	2	3	4	5	6
1.	Contact work of students with the teacher (total), including:		72	46	26
2.	Lectures (L)		16	10	6
3.	Clinical Practices (CL)		56	36	20
4.	Seminars (C)				
5.	Laboratory work (LR)				
6.	Student independent work (IWS)		36	26	10
7.	Intermediate type appraisals	credit (C)	offset	+	+
		exam (E)			
8.	TOTAL: General labor intensity	hours	108	72	36
		ZET	3	2	1

5. Discipline content

№/п	Semester number	The name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of monitoring progress
			L	LR	PZ	CPC	Total	
1	2	3	4	5	6	7	7	8
1.	7	General pathology of infectious diseases - Properties of pathogens of infectious diseases. - The leading links in the pathogenesis of an infectious disease are local changes, generalization, intoxication, general and local immunity, autoimmune processes. Forms of the infectious process. - Principles of specific laboratory diagnosis of infectious diseases. - The main methods and means of treating infectious patients. -Tactics of a dentist if you suspect that a patient has an infectious disease.	2		4	2	7	TC, SZ, VSR, UO
2.	7	Viral infections Herpetic infection. Etiology. Sources of infection. The mechanism of infection. Patho - genesis. Clinical manifestations. Lesions of the oral mucosa. Complications. Diagnostics. Treatment. Chickenpox and shingles. Etiology. Epidemiology. Pathogenesis. Clinical manifestations. Changes in the oral cavity and face. Complications. Treatment			3	3	6	
3.	7	Infectious mononucleosis: etiology, epidemiology, pathogenesis, clinical picture, diagnosis, treatment.			3	2	5	
4.	7	Mumps infection (mumps): etiology, epidemiology, pathogenesis, clinical picture, diagnosis. Symptoms of damage to the salivary glands. Complications. Treatment. Prevention.			3	2	5	
5.	7	Influenza, parainfluenza, adenovirus infection. Etiology. Source of infection, ways of spread. Pathogenesis. Clinic. Complications from the oral cavity. Specific diagnostics. Treatment principles. Prevention.	2		4	3	9	

6.	7	Human immunodeficiency virus (HIV) infection. Etiology. Isa - source of infection and transmission routes. Pathogenesis. Clinical manifestations at different stages of Bo - existing illness, the so-called Opportunistic diseases, AIDS. The manifestations of HIV infection by the mucus - stand oral cavity. Laboratory diagnostics. Medical tactics. Preventive measures INFI - tsirovaniya HIV infections of patients in a dental practice.	2		4	3	9	TC, SZ, VSR, UO
7.	7	Viral hepatitis with parenteral infection. Etiology of hepatitis B, C, D. Mechanism of transmission. Pathogenesis. Clinical course. Complications. Outcomes. Medical tactics when working with patients with hepatitis. Prevention of nosocomial infection.	2		4	3	9	TC, SZ, VSR, UO
8.	7	Diphtheria. Etiology. Sources and routes of infection. Pathogenesis. Time - voltage oral cavity. Outcomes. Differential diagnosis. Laboratory diagnostics. It lines - nN treatment. Prevention.	2		3	3	9	
9.	7	Streptococcal infection. Etiology. Epidemiology. Pathogenesis. Clinic: acute tonsillitis (tonsillitis), erysipelas of the face, oral cavity. Treatment principles			4	2	6	
10.	7	Module. Testing practical skills. Testing theoretical knowledge. Abstracts.			4	3	7	TC, SZ, UO
11.	8	Theoretical foundations of phthiology	2		4	2	9	TC, SZ, UO
12.	8	Methods for the diagnosis of tuberculosis.			4	2	6	TC, SZ, UO
13.	8	Maxillofacial tuberculosis. Clinic diagnostics.	2		4	2	9	TC, SZ, UO
14.	8	The main organizations of tuberculosis care.			4	2	6	TC, SZ, UO
15.	8	General principles of treatment of the - of Tuberculosis. Treatment of patients that - TB epidemics oral and	2		4	2	9	TC, SZ, UO

		Th - lyustno-facial area.					
TOTAL:			16	56	36	108	

Note: TC - test control, SZ - situational tasks, UO - oral questioning, HRV - extracurricular independent work

6. The list of educational and methodological support for independent work of students in the discipline

№/п	Semester number	Name of educational and methodical development
1.	7	Otaraeva B.I. Diphtheria. Vladikavkaz, 2020
2.		Otaraeva B.I., Plieva Zh.G. Infectious mononucleosis. Vladikavkaz. 2020
3.		Otaraeva B.I. Influenza and other acute respiratory viral infections. Vladikavkaz, 2020
4.		Otaraeva B.I. HIV infection. Vladikavkaz, 2020
5.		Otaraeva B.I., Plieva Zh.G., Gurieva Z.S., Gipaeva G.A., Dzgoev A.M. Differential diagnosis of some infectious diseases occurring with elements of a rash. Vladikavkaz, 2020
6.		Otaraeva B.I., Gurieva Z.S., Plieva Zh.G. Practical skills for mastering the discipline of infectious diseases. Vladikavkaz, 2018
7.		Otaraeva B.I. Gipaeva G.A., Plieva Zh.G., Dzgoev A.M. Methodological recommendations for the implementation of extracurricular independent work of students for practical classes on infectious diseases for the Faculty of Dentistry, Vladikavkaz, 2020
8.		Otaraeva B.I. Test tasks for current and intermediate control, 2020
9		Otaraeva B.I. Viral hepatitis, Vladikavkaz, 2020
10		Otaraeva B.I. Erysipelas. Vladikavkaz, 2020
11	8	Methodological development of practical classes in the discipline "Phthiology" for foreign students of the 4th year of the Faculty of Dentistry (in English).
12		Workbook on phthiology in English for foreign students studying in the 4th year of the Faculty of Dentistry. Tutorial. O.Z. Basieva. Vladikavkaz, 2023
13		Methodological manual for extracurricular independent work in the discipline "phthiology". "Clinical case of a combination of tuberculosis and the new coronavirus infection COVID-19" O.Z. Basieva, Z.K. Dzhagaeva. Vladikavkaz 2023

7. Assessment materials for intermediate certification of students in the discipline

№/п	List of competencies	No. semester	Indicator (s) evaluating	Evaluation criterion (s)	Grading scale	Name AM
1	2	3	4	5	6	7

1.	OPK-1 OPK-5 OPK-6	7	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of Higher Education SOGMA M3 RF No. 264/0 dated 10.07.2018.	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of Higher Education SOGMA M3 RF No. 264/0 dated 10.07.2018.	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of Higher Education SOGMA M3 RF No. 264/0 dated 10.07.2018.	Exam tickets for credit; Test tasks; Exam tasks
2.	OPK-1 OPK-5 OPK-6	8	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of Higher Education SOGMA M3 RF No. 264/0 dated 10.07.2018.	see the standard for assessing the quality of education. Order of the Federal State Budgetary Educational Institution of Higher Education SOGMA M3 RF No. 264/0 dated 10.07.2018.	see the standard for assessing the quality of education. Order 'FGBOU VO SOGMA M3 RF No. 264/0 dated 10.07.2018.	Exam tickets for credit; Test tasks; Control tasks

8.Перечень основной и дополнительной учебной литературы, необходимой для освоения дисциплины

№ п/п	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров		Наименование ЭБС/ссылка ЭБС
				в библиотеке	на кафедре	
1	2	3	4	5	6	7
Основная литература						
1.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2008.	98		
2.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2012.	101		
3.	Инфекционные болезни и эпидемиология: учебник.	Покровский В.И., Пак С.Г., Брико Н.И., Данилкин Б.К.	М.: ГЭОТАР-Медиа, 2016.	«Консультант студента» http://www.studmedlib.ru/book/ ISBN N9785970438220.html		
4.	Инфекционные болезни: учебник	Под ред Н.Д.Ющук	М.: ГЭОТАРМедиа, 2016.	20		
5.	Фтизиатрия: учебник.	Перельман М.И., Корякин В.А., Богадельникова И.В.	М.: ГЭОТАР-Медиа, 2016.	70		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN 9785970433188.html.
6.	Фтизиопульмонология: учебник.	Мишин В.Ю., и др.	М. : «ГЭОТАРМедиа» - 2007.	5		«Консультант студента» http://www.studmedlib.ru/ru/book/ISBN N978597

						0414392. html.
7.	Туберкулез: учеб, пособие. К	Кошечкин В.А., Иванова З.А	М. : «ГЭОТАРМедиа» - 2007.	6		«Кон сулытант студен та» http://www.studmedlib.ru/ru/book/ISBN9785970405956. html.
Дополнительная литература						
8.	Лекции по инфекционным болезням в 2-х т.	Ющук Н.Д., Венгеров Ю.Я.	М.: ГЭОТАРМедиа, 2016	Т.1 - 4 Т.2-4		
9.	Лекции по инфекционным болезням	Ющук Н.Д., Венгеров Ю.Я.	М.: Медицина, 2007	7		
10.	Инфекционные болезни и эпидемиология. Контрольные тестовые задания для самоподготовки	Покровский В.И. и др.	М.: ГЭОТАРМедиа, 2003	26	-	
11.	Инфекционные болезни: национальное руководство	Ред. Ющук Н.Д.	М.: ГЭОТАРМедиа, 2003	2	-	
12.	Инфекционные болезни	Ющук Н.Д., Венгеров Ю.Я.	М.: Медицина, 2003	30	-	
13.	Рожа	Отараева Б.И.	Владикавказ, 2019	13	-	
14.	Детские инфекционные болезни у взрослых	Отараева Б.И.	Владикавказ, 2019	13	-	
15.	Туберкулез у детей и подростков.	ред. В.А. Аксенова	М. – «ГЭОТАР-Медиа» - 2007.	7		

16.	Туберкулино-диагностика	Мишин В.Ю.	М. – «ГЭОТАР-Медиа» - 2007.	1		
17.	Туберкулез у детей и подростков	ред.Л.Б.Ху дзик	М.: Медицина,2004	2		
18.	Туберкулез легких с ЛУ возбудителя	Мишин В.Ю.	М. – «ГЭОТАР-Медиа» - 2009.	3		«Кон сультант студента» http://www.studmedlib.ru/ru/book/ISBN9785970411667.html
19.	Рентгенодиагностика туберкулезных легких	Помельцов К.Е.	М.: Медицина, 1965	5		
20.	Туберкулез органов дыхания у взрослых ; учеб.пособие	Рабухин А.Е.	М.: Медицина, 1976	100		

9. The list of resources of the information and telecommunication network "Internet" necessary for mastering the discipline

1. Infectious diseases On-line version of the journal <http://www.phdynasty.ru>
2. Electronic library of medical literature (www.medlib.ws)

10. Methodical instructions for students on mastering the discipline

Training consists of contact work (72 hours), including a lecture course and practical exercises, and independent work (36 hours). The main study time is allocated for practical work at the patient's bedside.

When studying an academic discipline, it is necessary to use laboratory diagnostics and master practical skills:

- to determine the patient's status: to collect anamnesis, to interview the patient and / or his relatives, to conduct a physical examination of the patient (examination, palpation, auscultation, blood pressure measurement, determination of the properties of the arterial pulse, etc.);
- assess the patient's condition in order to make a decision on the need to provide him with medical care;
- conduct a primary examination of systems and organs:
- make a preliminary diagnosis

- synthesize information about the patient in order to determine the pathology and the reasons that cause it;
- outline the volume of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;
- to formulate a clinical diagnosis;
- develop a plan of therapeutic action, taking into account the course of the disease and its treatment;
- to formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents, to justify pharmacotherapy in a particular patient with major pathological syndromes and emergency conditions, to determine the route of administration, regimen and dose of drugs, to assess the effectiveness and safety of the treatment;
- apply various methods of drug administration;
- fill out a medical history, write a prescription;

Practical exercises are conducted in the form of answers to test tasks, oral questioning, solving situational problems, analyzing clinical patients, analyzing laboratory studies, using visual aids.

In accordance with the requirements of the Federal State Educational Standard of Higher Education, active and interactive forms of conducting classes are widely used in the educational process; situational role-playing games, lecture visualization. The proportion of classes conducted in interactive forms is at least 19% of classroom lessons.

Independent work of students implies preparation for a practical lesson and includes the implementation of extracurricular independent work, solving situational problems for self-control, work at the patient's bedside.

Each student is provided with access to the library funds of the Academy and the department.

11. The list of information technologies used in the implementation of the educational process in the discipline

- Microsoft word
- Microsoft excel
- Microsoft Power Point
- Adobe photoshop
- Adobe Acrobat
- Adobe Finereader

12. Description of the material and technical base necessary for the implementation of the educational process in the discipline

No. p / p	equipment identification	Quantity	Technical condition
1	2	3	4
Special equipment			
1.	A computer	3	Satisfaction.
2.	Notebook	2	Satisfaction.
3.	Projector	1	Satisfaction.
4.	Copier technology	2	Satisfaction.
phthisiology			
Special equipment			

5.	Media setup: Lenovo IdePad B 5070 laptop ViewSonic PRO 8500 multimedia projector	1	Satisfaction. working
6.	Negatoscope	1	Satisfaction. working
7.	A set of MM presentations for all sections	6	Satisfaction. working
8.	Set of tables	3	Satisfaction. working
9.	Posters	4	Satisfaction. working
10.	Blackboard	1	Satisfaction. working
11.	Negatoscope	1	Satisfaction. working
12.	X-ray set	25 pcs	Satisfaction. working

13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow full-time training, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching the discipline in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, monitoring progress, as well as intermediate certification of students, platforms of the electronic information and educational environment of the academy and / or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video, "live lectures", etc. Conducting seminars and workshops is possible online in both synchronous and asynchronous modes. Seminars can be held in the form of web conferences